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No. 43] NEW DELHI, SATURDAY, OCTOBER 25, 1980 (KARTIKA 3, 1902)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2

## [PART III—SECTION 2]

## पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

## [Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 25th October 1980

*CORRIGENDUM*

In the Gazette of India, Part III, Section 2 dated 24th May 1980 in Page 271, Column 1 Under the acceptance of Patent application No. 147675 *read* 49/MAS/78 *instead* of 49/MAS/79.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017.

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

18th September 1980

1063/Cal/80. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. An open end spinning rotor consisting of a base body and a rotor body.

1064/Cal/80. Amsted Industries Incorporated. Truck for railroad car.

1065/Cal/80. Kabel-Und Metallwerke Gutehoffnungshutte Aktiengesellschaft. Process for the manufacture of shrink articles.

1066/Cal/80. Satake Engineering Co. Ltd. Automatic control device for a boundary plate of a grain separator.

19th September, 1980

1067/Cal/80. Lucas Industries Limited. Centrifugal advance mechanism for a spark ignition system ignition distributor. (September 19, 1979).

1068/Cal/80. Magnesium Elektron Limited. Magnesium alloys. (September 19, 1979).

1069/Cal/80. H. Ishizuka. Improvements in an apparatus for electrolytic production of magnesium metal from its chloride.

1970/Cal/80. A. S. Johnson, Jr. Bag-type filter apparatus with combination bag support and air diffuser.

20th September 1980

1071//Cal/80. Nippon Chemiphar Co., Ltd. and Teikoku Chemical Industry Co., Ltd. Cyclohexane carboxylic acid derivatives.

1072/Cal/80. Uhde GmbH. Process for the continuous fermentation of aqueous slurries for the production of alcohol and yeast biomass.

1073/Cal/80. Trutzschler GmbH & Co., KG. A device for cleaning and dusting textile fibres.

22th September 1980

1074/Cal/80. Lucas Industries Limited. Fluid pressure control Valve. (December 7, 1979).

1075/Cal/80. Institute of Gas Technology. Solids feeder having solids-liquid separator.

1076/Cal/80. The Lubrizol Corporation. Additive compositions comprising sulfurized alkyl phenol and high molecular weight dispersant.

23rd September 1980

1077/Cal/80 Sandoz Ltd. Improvements in or relating to bromination processes. (September 24, 1979).

1078/Cal/80. Kobe Steel, Ltd. Direct reduction process for producing metallic iron.

1079/Cal/80. Ruti Machinery Works Ltd. Apparatus for coupling a harness motion for a harness frame.

1080/Cal/80. Siemens Aktiengesellschaft. Device for damping oscillation in regulated electric machines.

24th September, 1980

1081/Cal/80. Kajal Sen. Deep litere cum caging system.

1082/Cal/80. RCA Corporation. Sipos passivated high voltage semiconductor device.

1083/Cal/80. Trutzeschler GMBH & Co., KG. Process and device for the opening of several textile fibre bales. [Addition to No. 728/Cal/79].

1084/Cal/80. Mobil Oil Corporation. Reforming of sulfur-containing charge stock.

1085/Cal/80. Texas Alkyls, Inc. Hydrocarbon-soluble magnesium aluminum compositions.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, SARASWATI MARG, KAROL BAGH, *NEW DELHI-110005.*

18th August 1980

598/DEL/80 Philibert Maurice Braillon, "Magnetic Chuck."

19th August 1980

599/DEL/80. Council of Scientific & Industrial Research, "A Process for the preparation of new yellow naphthoquinoquinazolinedione disperse dyes for polyester fibres. [Divisional date April 13, 1978].

600/DEL/80. Ruhrchemie Aktiengesellschaft, "Radiation boiler".

601/DEL/80. Dr. Beck & Co. AG., "Process for the manufacture of insulated winding wires through extrusion of thermoplastics."

602/DEL/80. Dresser Industries, INC., "Silicon Carbide Furnace."

603/DEL/80. Alright & Wilson Limited, "Rock Treatment Process. "February 15, 1980 & July 17, 1980).

640/DEL/80. Rohm and Haas Company, "Process for tanning leather with acrylic polymer and zirconium compound and leather so produced."

605/DEL/80. Kenrich Petrochemicals, Inc., "Pyroposphato Titanate Adducts."

20th August 1980

606/DEL/80. Koyamangalath Madhavan, Ramachandra Rao Sitaram Rao Melkote and Palat Govind Menon, "Producing methane gas through the anaerobic fermentation of water hyacinth (Eichhornia Crassipes), the said invention relating both to the apparatus for and the method of producing methane gas."

607/DEL/80. Pfizer INC., "Acetoxymethyl Penam Compounds as Beta-Lactamase Inhibitors."

608/DEL/80. Bayer Aktiengesellschaft, "Azo Dyestuffs, Their preparation and their use for Dyeing Synthetic Fibres."

21st August 1980

609/DEL/80. Hartmann & Braun Aktiengesellschaft, "A Device for analysing Gases or Liquids." (February 27th 1980).

610/DEL/80. Etablissments Nativelle, "New Amino-14 Steroid Derivatives and Process for preparation of the same."

22nd August 1980

611/DEL/80. Miles Laboratories, INC., "Device and method for preparation of a Control Solution for Ketone Determination."

612/DEL/80. Imperial Chemical Industries Limited, "Finely Comminuted Water-Soluble materials and Aqueous Suspensions thereof," (September 18, 1979).

613/DEL/80 Panthox & Burck Istituto Biochimico Italo-svizzero S.p.A., "Kanamycin Tannate, method for preparing the same and Pharmaceutical Compositions."

23rd August 1980

614/DEL/80. Dr. Gursaran Parshad Talwar, "A Colour Strip method for diagnosis of pregnancy and HCG Synthesizing tumours."

25th August 1980

615/DEL/80. Halcon Research and Development Corporation, "Process for Producing Maleic Anhydride." [Divisional date July 7, 1978].

616/DEL/80. Societe D'Etudes De Machines Thermiques S.E.M.T., "Improvements in or relating to method of and device for improving the gas flow in an internal combustion engine exhaust manifold. "[Addition to 43/Del/78].

26th August 1980

617/DEL/80. Krishan Kumar Gupta, "A cement composition and a method of manufacturing the same."

27th August 1980

618/DEL/80. Council of Scientific & Industrial Research, "Method of making Cupric Ion Sensitive Membrane Electrodes."

619/DEL/80. Council of Scientific & Industrial Research, "Improvements in or relating to Immersion Coppering of Steel."

620/DEL/80. Shell Internationale Research Maatschappij B.V., "Process for the preparation of alcohols or aldehydes, alcohols or aldehydes prepared by this process and stabilized compositions suitable for use in the said process." (August 29, 1979).

621/DEL/80. Miles Laboratories, INC., "Stabilization of Benzidine-Type Indicators with various Enhancers."

622/DEL/80. Imperial Chemical Industries Limited, "Fluid Flow". (Sept. 6, 1979).

28th August, 1980

623/DEL/80. Council of Scientific & Industrial Research, "Improvements in or relating to Black Nickel Plating of Electroformed Copper and Nickel Foils for Solar Applications."

624/DEL/80. Prudential Research Corporation, "A Wind Turbine."

625/DEL/80 Prudential Research Corporation, "A Magnetic Shock Absorber."

626/DEL/80. Shri Johnson Samuel, "A Collapsible Elongate Member."

627/DEL/80. Gargya Research Instruments, "An Electrical Recharger."

628/DEL/80. Dr. R. P. Sonnawala, "An Intra-Uterine Contraceptive Device."

629/DEL/80. S.S. Industries, "A Volumetric Filler."

630/DEL/80. Teledyne Industries, INC., "Solid Impurity Detector."

29th August 1980

631/DEL/80. Bal Krishan Gupta, "Improvements in or relating to Pencil Sharpner."

632/DEL/80. Muraleedharan Nair, "Single Phasing Preventer."

633/DEL/80. Sri Austin S. Myles & Sri Ram Ke Das, "Built-in Solar Fabric Drier."

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600002.

18th September 1980

177/Mas/80. M.V.S.N.S. Raju. Placement of condenser's cooling water pump with its specially oriented discharge below and of water intake gravity channel with respect to the steam condenser of a steam turbine power generator.

ALTERATION OF DATE

148119

Ante-dated 26th July 1976.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 68A. 148109

Int. Cl.-H02j 7/00.

BATTERY CHARGE DETECTOR AND CHARGING SYSTEM INCLUDING SUCH DETECTOR.

Applicant : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, B19 2XF, ENGLAND.

Inventor : SIDNEY BASIL SMITH.

Application No. 1987/Cal/76 filed November 1, 1976.

Convention date November 8, 1975/(46294/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A detector adapted to control the charging of a secondary battery comprising an input circuit for connection to a battery being charged and producing an output voltage dependent on the battery voltage and detector means sensitive to said output voltage and arranged to provide an output signal when said output voltage starts to fall; characterised in that said detector means comprises a capacitor and a resistor in series, a switch for periodically connecting the onput circuit to the capacitor and a comparator for comparing the voltage across the resistor with a reference voltage.

Comp. Specn. 11 Pages. Drg. 1 Sheet

CLASS 70C. 148119

Int. Cl.-C23b 5/00.

IMPROVED PROCESS FOR THE ELECTRODEPOSITION OF IRON-NICKEL ALLOY COATINGS ON METAL SUBSTRATES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventors : BALKUNJE ANANTHA SHENOI, MRS. MALATHY PUSHPAVANAM AND MRS. VIDYALAKSHMI.

Application No. 14/Del/77 filed January 18, 1977.

Complete Specification March 18, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims. No drawings.

In an improved process for the electrodeposition of iron-nickel alloy coatings on metal substrates wherein the electrolytic bath consisting of nickel sulphate, nickel chloride, ferrous sulphate, sodium citrate, boric acid and additives like butyne-diol, pyridine, sulphonic acid, saccharine and sodium salt of ligning sulphonic acid as brighteners using iron nickel dual anodes.

Prov. Specn. 3 Pages Comp. Specn 6 Pages. Drgs. Nil.

CLASS 63B. 148111

Int. Cl.-H02k 1/00.

METHOD OF MANUFACTURING A POLE CLAW MEMBER FOR A DYNAMO ELECTRIC MACHINE ROTOR AND A POLE CLAW MEMBER SO MANUFACTURED.

Applicant : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, B19 2XF, ENGLAND.

Inventors : KENNETH PREECE AND WALTER GRAHAM CHEARY.

Application No. 431/Cal/77 filed March 23, 1977.

Convention date April 7, 1976/(14040/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A method of manufacturing a pole claw member comprising forming a cylinder of ferrous material having one of its axial ends generally plain and the other of its axial ends serrated, the serrations being equal in number to the number of claws of the member to be manufactured; and subjecting the cylinder to a deforming operation, or sequence of deforming operations, to shape the serrations to the desired claw shape, characterized in that the step of forming the cylinder is performed so that the serrations extend axially of the cylinder and in that the deforming operation, or sequence of deforming operations, is arranged to produce an annular base extending in a plane generally at right angles to the axis of the cylinder and to leave the serrations extending axially of the cylinder.

Comp. Specn. 15 Pages. Drg. 4 Sheets.

CLASS 90D & F. 148112.

Int. Cl.-C03b 33/10, C03b 21/02, C03b 3/46.

CONTINUOUS GLASS FIBER STRAND WINDING APPARATUS.

Applicant : NITTO BOSEKI CO., LTD., OF NO. 1, AZA HIGASHI, GONOME, FUKUSHIMA-SHI, FUKUSHIMA, JAPAN.

Inventors : HISAO MINEZAKI, AKIO HANEDA, ASANORI MASAKI, TAKEO HANZAWA AND YUSUO UCHIIKE.

Application No. 1325/Cal/77 filed August 24, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A continuous glass fiber strand winding apparatus including a turntable, a pair of rotatably driven spools mounted on the turntable winding and standby positions, means for continuously supplying a glass fiber strand to the spool at the winding position for winding thereon, and means for rotating the turntable when the spool at the winding position becomes fully loaded to thereby index the loaded spool to the standby position and an empty spool to the winding position, and simultaneously form a bridge strand between the loaded and empty spools, means for severing the bridge strand to enable continued winding on the empty spool, characterized by : (a) a nozzle disposed adjacent the bridge strand and oriented such that a water jet supplied therefrom laterally strikes the bridge strand in a substantially prependicular direction, and (b) means for supplying pressurized water to the nozzle in synchronization with the rotation of the turntable.

Comp. Specn. 10 Pages. Drg. 1 Sheet.

CLASS 195B & C & D.

Int. Cl.-F16k 25/00. 148113.

BUTTERFLY VALVE.

Applicant : TOMOE TECHNICAL RESEARCH COMPANY, OF 2-91-1, HONJYO-NAKA, HIGASHI-OSAKA-SHI, OSAKA, JAPAN.

Inventors : TOSHIMI MINAMI AND TAKAYOSHI UNO.

Application No. 1542/Cal/77 filed October 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A butterfly valve provided with an axially extending flow passage comprising a valve body having an annular projection in its inner circumferential surface, a valve seat provided with an annular groove adapted to receive said annular projection in the outer circumferential surface and defining a seat face on the inner circumferential surface thereof, a rotatably supported valve stem extending through said valve body and the valve seat and projection at one of its ends beyond said valve body, a disk like valve member mounted on said valve stem and having a peripheral edge thinner than its central portion and engaging with said seat face of said valve seat, and ring-shaped seal means disposed on the inner surface of a through hole in said valve seat through which said valve stem extends and fitted onto said valve stem, in which the seat face of said valve seat has a central raised portion having a diameter smaller than that of the valve member, two ring-shaped protrusions on said valve seat opposed to each other to define said annular groove therebetween are shaped in a round form at the two opposite faces and the outer surface of the projections are tapered with a larger diameter on the side of opposing.

Comp. Specn. 26 Pages. Drg. 6 Sheets

CLASS 64B. 148114.

Int. Cl.-H01r 7/04.

INSULATION-PIERCING CONTACT.

Applicant : BUNKER RAMO CORPORATION, OF 900 COMMERCE DRIVE, OAK BROOK, ILLINOIS, UNITED STATES OF AMERICA.

Inventor : TEDFORD HOLLACE SPAULDING.

Application No. 1780/Cal/77 filed December 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A contact member for connection with an insulation-covered conductor comprising : an active contact element; and a terminal element adapted to pierce said insulation and electrically engage said conductor, said terminal element including insulation-cutting means for radially penetrating said insulation at a first longitudinal portion of said conductor, insulation-stripping means for stripping a segment of said insulation from a second longitudinal portion of said conductor and conductor-engaging means comprising smooth continuous surfaces for contacting in wiping engagement substantially the entire length of said first and second longitudinal portions of said conductor.

Comp. Specn. 10 Pages. Drg. 2 Sheets.

CLASS 128G. 148115

Int. Cl.-A61m 37/00.

APPARATUS FOR EFFECTING HYPERTHERMIC TREATMENT.

Applicant : & Inventor : LEON C. PARKS, OF 1001-C PLEASANT OAKS ROAD, BALTMORE, STATE OF MARYLAND, UNITED STATES OF AMERICA.

Application No. 44/Del/78 filed January 17, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

20 Claims.

Apparatus for hyperthermic treatment of a patient which comprises: means defining a sterile extracorporeal flow path for blood having an inlet, an outlet and a temperature control zone therebetween, means for establishing communication of the inlet of said extracorporeal flow path with the patient's blood-stream so that blood can be withdrawn and supplied to said extracorporeal flow path without adversely affecting the blood depleted areas from which the blood is withdrawn, means for establishing communication of the outlet of said extracorporeal flow path with the patient's bloodstream so that blood flowing from the extracorporeal flow path is returned to the blood stream in such a way as to be distributed systemically, means for pumping blood withdrawn from the patient's bloodstream along said extracorporeal flow path through said temperature control zone at a controlled rate of approximately 1 liter per minute and returning the same to the patient's bloodstream to be distributed systemically, as aforesaid, and means for controlling the temperature of the blood flowing along said extracorporeal flow path through said temperature control zone for an initial period during which the temperature level of the blood within the zone is raised without subjecting the same to localized temperatures in excess of approximately 45°C so that the systemic distribution of the returned blood gradually increases the patient's core body temperature to a generally stable temperature condition at a level of approximately 41.5°C but not higher than approximately 42.5°C, and for maintaining control of the temperature of the blood flowing along said extracorporeal flow path through said temperature control zone at said generally stable temperature condition for a second time period sufficient to effect the desired treatment.

Comp. Specn. 47 Pages. Drg. 3 Sheets.

CLASS 166A. 148116.

Int. Cl.-B60f 3/00.

AN AMPHIBIOUS VEHICLE.

Applicant : MESSERSCHMITT-BOLKOW-BLOHM GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF 8000 MUNCHEN, GERMAN FEDERAL REPUBLIC.

Inventor : HERBERT ERTL.

Application No. 48/Del/78 filed January 18, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

13 Claims.

An amphibious vehicle having two wheeled buoyant body parts interconnected by an articulated joint, the vehicle having a water propelling means which can be moved into and out of the body of the vehicle and which is pivotable about a point on the vehicle body by a gearing actuated by the vehicle steering system, the propellor means being operatively connectable with and disconnectable from the vehicle engine through a drive, and further being rotatable about a horizontal axis.

Comp. Specn. 10 Pages. Drg. 2 Sheets.

CLASS 82. 148117.

Int. Cl.-A01k 67/00, B63b 35/14.

APPARATUS FOR REARING OF AQUATIC ANIMALS.

Applicant : LINDE AKTIENGESELLSCHAFT ABRAHAM-LINCOLN-STR.21 D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY.

Inventor : DR. MICHAEL BERGER.

Application No. 92/Cal/78 filed January 24, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

Apparatus for rearing aquatic animals in water reservoirs in which the oxygen content of the water present in the water reservoir is maintained at a value corresponding to the optinim living conditions of the acquatic animals by use of a gas, which essentially consists of exygen or oxygen-enriched air and which is stored in a gas supply unit, characterized by an oxygen-enrichment system (3, 13, 103) closed against the atmosphere, partially filled with water and having above the water level a gas atmosphere, which enrichment system (3, 13, 103) has a water feed line (6, 16) ending inside its gas atmosphere as well as if desired a gas withdrawal nozzle (7, 17), said oxygen-enrichment system (3, 13, 102) is connected to the gas supply unit (2, 12) and is connected with the water reservoir (1) if desired through a feed line (111).

Comp. Specn. 20 Pages. Drg. 3 Sheets.

CLASS 62A. 148118.

Int. Cl.-D06b 3/00.

PROCESS FOR BLEACHING TEXTILES.

Applicant : CIBA-GEIGY AG, KLYBECKSTRASSE 141, 4002 BASLE, SWITZERLAND.

Inventors : GERHARD REINRET, GERD HOLZLE, ANDRE PUGIN.

Application No. 315/Cal/78 filed March 22, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

A process for bleaching textiles with photoactive compounds, which comprises treating stained textiles in an aqueous bath containing at least one photoactivator selected from the class of the water-soluble aluminium phthalocyanines, under irradiation with visible and/or infrared light and in the presence of oxygen, the textile being either irradiated with the light mentioned above directly in the treating bath or the textiles being removed from the treating bath and being irradiated in the still moist state outside the bath with the light mentioned above.

Comp. Specn. 55 Pages. Drg. 4 Sheets.

CLASS 32A. 148119.

Int. Cl.-C09b 57/00.

A PROCESS FOR THE PREPARATION OF NEW YELLOW NAPHTHOQUINO-QUINAZOLINEDIONE DISPERSE DYES FOR POLYESTER FIBRE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : NAGARAJ RAMANUJ AYYANGAR, RAGHAVENDRA JEEVANRAO DESHPANDE AND DILIP RAGHUNATH WAGLE.

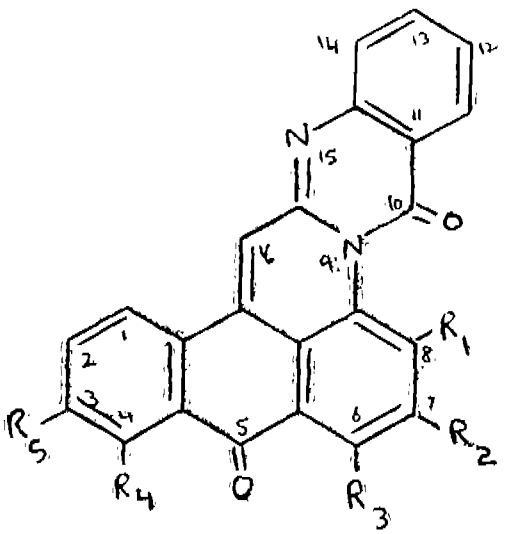
Application No. 265/Del/78 filed April 13, 1978.

Division of Application No. 1328/Cal/76 filed July 26, 1976.

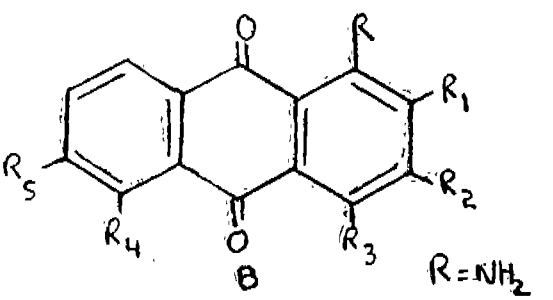
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 Claims.

A process for the preparation of yellow naphthoquinoquinazoline dione disperes dyes (for polyester fibres) such as naphtho —(1', 2,' 3' ; 4, 5) Quino-(2, i: b)—quinazoline-5, 10-dione of formula of Fig. A.



wherein $R_7$ and $R_6$ are hydrogen or methyl radicals; $R_8$ is hydrogen, methoxy, acetamido; p-toluenesulphonamido or panisidino radical; $R_1$ is hydrogen or acetamido radical; $R_5$ is hydrogen or chloro radical, wherein corresponding 1-aminoanthraquinone derivative of formula of Fig. B.



wherein R is amino radical is reacted with anthranilic acid in presence of zinc chloride and acetic anhydride.

Comp. Specn. 8 Pages. Drg. 2 Sheets.

CLASS 172B & D4. 148120.

Int. Cl.-D65h 75/02.

WINDING APPARATUS.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDERICH-EBERT-STRASSE 84, 8070, INGOLSTADT, GERMANY.

Inventors : EBERHARD GRIMM AND GERD HUSGES.

Application No. 152/Cal/78 filed February 9, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Winding apparatus with a winding roller, which drives a bobbin, and with a yarn storage unit disposed between a yarn supply point and the winding roller, the condition of fullness of which yarn storage unit is monitored by a monitoring device which controls the speed of the winding roller, characterised in that the winding roller is mounted parallel to and at a distance from the driveshaft and is alternately drivable, in a manner corresponding to the condi-

tion of fulness of the yarn storage unit, by way of one of two intermediate gearwheels which are insertable between the driveshaft and the winding roller, both of these intermediate gearwheels being susceptible of being simultaneously brought into their inoperative position, the motion transmission ratios effective by way of the two intermediate gearwheels being so selected that the circumferential speed of the winding roller is greater, when the drive takes place by way of one intermediate gearwheel, than the speed of yarn supply of the yarn supply station, and is lower than the speed of yarn supply of the yarn supply station when the drive takes place by way of the other intermediate gear wheel.

Comp. Specn. 18 Pages. Drg. 2 Sheets.

CLASS 47B. 148121.

Int. Cl.-F23k 3/00.

PROCESS FOR GASIFYING FINE-GRAINED TO DUST FUELS.

Applicant: KRUPP-KOPPERS GMBH, MOLTKESTRASSE 29 4300 ESSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors: Dr. GERHARD PREUSSER, KARL-HEINZ DUTZ AND EBERHARD GOEKE.

Application No. 123/Del/78 filed February 13, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

Process for the gasification of fine-grained to dusty fuels under elevated temperature in a gasifier wherein the fuel to be gasified is fed from a bunker or stock vessel to the gassifier,, characterised in that the fuel is delivered from said bunker which is under normal pressure to a lock vessel which is under elevated pressure and thence to the gasifier, the rate of delivery of the fuel to the lock vessel from the bunker being maintained as a function of the fuel level in the bunker.

Comp. Specn. 8 Pages. Drg. 1 Sheet.

CLASS 84 B & C. 148122.

Int. Cl.-E21b 43/00, 43/12, E21C 41/10.

METHOD FOR TERTIARY RECOVERY OF FOSSILISED MINERAL FUEL AND AN APPARATUS THEREFOR.

Applicant & Inventor: NEIL LEROY CARPENTER, OF 175 NIMITZ ROAD, KERRVILLE, TEXAS 78208, U.S.A.

Application No. 138/Del/78 filed February 20, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

35 Claims.

A method for the tertiary recovery of fossilised mineral fuel such as herein described from sub-surface fossilised mineral fuel bearing formation comprising the steps of establising at least two spaced apart boreholes extending into a sub-surface earth formation containing both the fossilized mineral fuel and an electrolyte dispersed therein, disposing a separate electrode in each of said bore holes and into electrical contact with said fuel and said electrolyte in the formation insulating said electrodes from substantially all earth bearing materials adjacent said bore holes and lying above said sub-surface earth formation to establish an electrical circuit composed of said insulated electrodes and said formation electrolyte, establishing an AC electrical current flow in said electrical circuit composed of said insulted electrodes and said formation electrolyte lying therebetween for establishing a current density in the formation exceeding the minimum current density required to cause AC disassociation of the electrolyte, electrochemically generating free gases in said sub-surface earth formation between said bore holes as a function of current density in said formation exceeding said minimum current density thereby forming free gases and fluid hydro-carbon products such as herein described from said fossilized mineral fuel, recovering the mineral fuel by conventional methods.

Comp. Specn. 75 Pages. Drgs. 9 Sheets.

CLASS 32A. 148123.

Int. Cl.-C09b 47/04.

PROCESS FOR THE PREPARATION OF PHTHALOCYANINE COMPOUNDS.

Applicant: CIBA-GEIGY AG, KLYBECKSTRASSE 141, 4002 BASLE, SWITZERLAND.

Inventors: RUDOLF POLONY, GERHARD REINERT, GERD HOLZLE, ANDRE PUGIN, AND RODOLPHE VONDERWAHL.

Application No. 313/Cal/78 filed March 22, 1978.

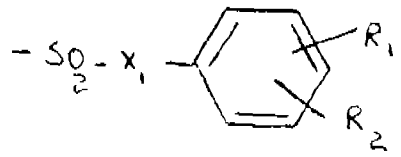
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

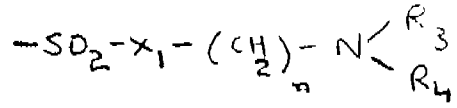
10 Claims.

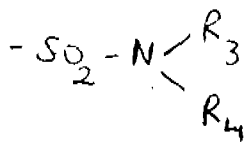
A process for the preparation of a phthalocyanine compound of the formula shown in Fig. 26.

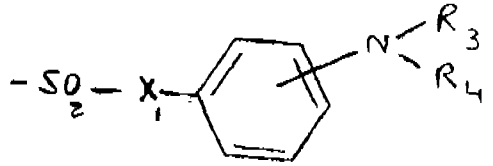
Me' (PC) ——— (R')v

in which PC is the phthalocyanine ring system, v has any desired value between 1 and 4, Me' is Na, K, Ca, Mg or AlX, in which X is an anion selected from a halide, sulphate, nitrate, acetate or hydroxyl ion and R' is a group of the formula shown in Figs. 1, 7, 8, 18, 27.





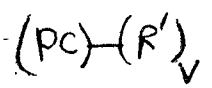




in which Y is hydrogen or an alkali metal selected from sodium, potassium and lithium or ammonium or amine salt thereof, ammonium or amine ion, X'1 is oxygen or a NH group or a radical of the formula N in which $R'_7$ is hydrogen or alkyl having 1 to 4 $R'_7$

carbon atoms, n is a number from 1 to 12. $R_1$ and $R_2$ independently of one another are hydrogen, a sulpho group and sodium, potassium, lithium, ammonium or amine salts thereof, a carboxyl group and sodium; potassium, lithium, ammonium or amine salt thereof or a hydroxyl group and at least one of the radicals $R_1$ and $R_2$ is a sulpho or carboxyl group or sodium, potassium, lithium, ammonium or amine salts

thereof and $3^a$ and $R_1$ independently of one another are hydrogen, alkyl having 1 to 6 carbon atoms, hydroxy alkyl having 1 to 6 carbon atoms, cyanoalkyl having 1 to 6 carbon atoms or halogenoalkyl having 1 to 6 carbon atoms or $R^a$ and $R_1$ together with the nitrogen atoms to which they are bonded are a saturated 5-membered or 6-membered heterocyclic ring which additionally can also contain a nitrogen atom or oxygen atom as a ring member and all the radicals R' are bonded to the phenyl nuclei of phthalo cyanine ring system and can be identical or different, when $v > 1$, which comprises reacting a metal-free phthalocyanine of the formula shown in Fig. 45.



in which PC, R' and v are as defined above, with a salt of the metal $Me^1$, where $Me^1$ is as defined above.

Comp. Specn. 44 Pages. Drg. 8 Sheets.

CLASS 32F²b 148124

Int. Cl. C07d 27/00

PROCESS FOR THE SYNTHESIS OF (±)—QUEBRACHAMINE, A POTENT HYPERTENSIVE AGENT.

Applicants : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA.

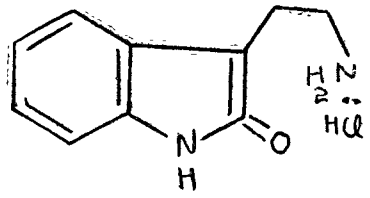
Inventors : Dr. Satyesh Chandra Pakrashi, Dr. Venkatachalam Shesha Giri and Dr. Esahak Ali

Application No. 521/Del/78 filed on July 13, 1978.

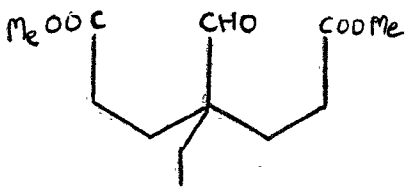
Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

Process for the synthesis of (±) quebrachamine of formula (X) comprising condensing 2-hydroxytryptamine monohydrochloride of formula (I) with dimethyl-4-ethyl-4-formyl pimelate of formula (II) to form 1-desmethyl-8-oxo-vincatine of formula (III) wherein $R^1$ is-$CH^2$ $CH^3$ and $R^2$ is-$CH^2$-$CH^2COOMe$ radicals, cyclising the same in the presence of polyphosphric acid to form 1, 2-dehydro-8-oxo-aspidospermidine thiolating the same by conventional methods to obtain a thiolated product, followed by acylating the product with acetic anhydride/pyridine to form 1-acetyl-2, 3-dehydro-8-thioaspido permidine and subjecting the same to Raney nickel desulphurisation to form 1-acetyl-2, 3-dehydroaspidospermidine deacetylating the same by conventional methods to form 1, 2-dehydroaspidospermidine and reducing the reaction product with sodium borohydride in aqueous alcoholic alkali to obtain the racemic quebrachamine.



I



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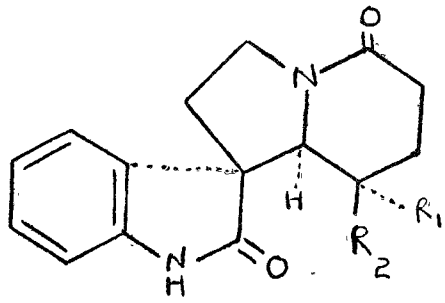
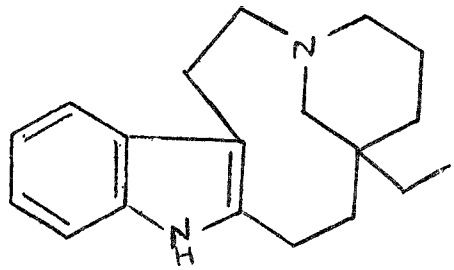


III



(±)- Quebrachamine

Complete Specification 5 pages and Drawing 1 Sheet.

CLASS—148L 148125.

Int. Cl.—G05C 1/00, 7/00.

A PROCESS FOR PRODUCING A PHOTOCONDUCTIVE POLYIMIDE COATING UPON A SUBSTRATE AND SAID SUBSTRATE COATED THEREBY.

Applicants: NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK - ONDERZOEK TEN BEHOEVE VAN NIJVERHEID, HANDEL EN VERKEER, OF P.O. BOX 217 AT DELFT, THE NETHERLANDS.

Inventors: JAN VAN TURNHOUT, AND RAMESH CHANDRA AHUJA.

Application No: 545/Del/78 filed on July 25th, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims

A process for producing a photoconductive substrate having a coating of polyimide containing as a photosensitizer a member of the group consisting of 2,4,7-trinitro-9-fluorenone (TNF) and 2, 4, 5, 7-tetranitro-9-fluorenone, characterised by coating the substrate with a solution in an organic solvent of a polyamic acid having recurring units of the formula 2 of the accompanying drawings in which R is a tetravalent organic radical containing at least two carbon atoms, no more than two carbonyl groups being bonded to anyone carbon atom of R, $R_1$ represents a divalent organic radical having at least two carbon atoms, which is bonded to two nitrogen atoms, the said nitrogen atoms being attached to different carbon atoms of said divalent radical, and R, $R_1$ or both contain at least one aromatic ring of six carbon atoms, as well as of a member of the group consisting of 2,4,7-trinitro-9-fluorenone (TNF) and 2,4,5,7-tetranitro-9-fluorenone in an amount of 1-50% by weight, based on the polyamic acid, and heating the coated substrate at a temperature not exceeding 150°C.

Comp. Specn. 10 pages; 5 Drg. sheets.

CLASS—157D4, 129A. 148126.

Int. Cl. B21d 53/36, E01b 11/00, 9/34, 9/48; F16b 2/24.

APPARATUS AND A METHOD FOR BENDING RODS IN MAKING RAILWAY RAIL-FASTENING CLIPS.

Applicants: PANDROL LIMITED, of 9, HOLBORN, LONDON EC1N 2NL, ENGLAND.

Inventors : PETER EDWARD CHECKLEY.

Applicaiton No. 547/Del/78 filed on July 25, 1978.

Appropriate Offiffice for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

24 Claims

Apparatus for bending rods in making railway rail-fastening clips comprising support means capable of supporting a part of a red-hot metal rod, which is between the ends of the rod, first and second forming surfaces provided on two separate members and first and second displaceable bending membe s capable of bending the parts of the rod on both sides of said part about the first and second forming surfaces, respectively, and means for displacing the first and second bending members relative to the first and second forming surfaces, respectively, so that they do bend the parts of the rod on both sides of said part about the first and second forming surfaces, respectively substantially without movement of said part of the rod, with the result that two U-bends are formed in the rod, said part remaining substantially straight and constituting one limb of each U, the other limb of each U being substantially straight and substantially parallel to said part, and the end portions of the rod point in substantially opposite directions and overlap without touching one another (if the rod is long enough) and are spaced apart laterally by a distance greater than the thickness of the rod.

A combination apparatus for making railway rail-fastening clips comprising apparatus according to any one of the preceding claims (called below a first apparatus) and a second apparatus for performing a second bending operation on the rod, said second apparatus comprises supporting means for the bent rod and forming tools for pressing the bent rod against parts of the supporting means to give the bent rod its desired final shape, said second apparatus being at a lower level than the first apparatus such that the bent rod can travel from the first apparatus to the second apparatus under the force of gravity.

A method of bending a rod in making a railway rail-fastening clip, including support a part of a rod-hot metal rod which is between the ends of the rod and displacing first and second bending members relative to first and second forming surfaces, respectively, provided on subseparate members so that they bend the parts of the rod on both sides of said part about said first and second forming surfaces, respectively substantially without movement of said part of the rod, with the result that the U-bends are formed in the rod, said part remaining substantially straight and constituting one limb of each U, the other limb of each U being substantially straight and substantially parallel to said part, and the end portions of the rod point in substantially opposite directions and overlap without touching one another and are spaced apart laterally by a distance greater than the thickness of the rod.

Comp. Specn. 21 pages and Drg. 8 sheets.

PATENTS SEALED

142618 145001 146690 146979 147028 147031 147032 147039 147042 147043 147050 147065 147085 147093 147094 147095 147096 147106 147147

*APPLICATION FOR SETTLEMENT OF THE TERMS OF LICENCE UNDER SECTION 88(2).*

Applications for settlement of the terms of licence under Section 88(2) of the Patents Act, 1970 have been filed by Titanium Equipment And Anode Manufacturing Co. Ltd. in respect of Patents Nos. 114367 and 123485.

*PERMISSION TO WORK THE PATENTED INVENTION UNDER SECTION 88(4).*

Applications for permission to work the patented invention under Section 88(4) of the Patents Act, 1970 have been filed by Titanium Equipment And Anode Manufacturing Co. Ltd. in respect of Patents Nos. 114367 and 123485.

*PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"*

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No. Title of the invention

140228 (05.11.74) Process for preparing somatostatin.

140236 (10.03.75) Process for saccharide polycondensation

140246 (12.03.74) Process for preparation of hydrogen rich gas.

140259 (13.12.74) Process for the preparation of 1,2,4-triazole derivatives.

140276 (02.01.74) Power metallurgy production of high performance alloy.

140279 (31.12.73) Process for the production of 1, 2-dichloroethane.

140286 (02.08.74) Production of metal by electrolysis of a molten electrolyte.

140287 (07.08.74) Process for the production of potassium phosphate or polyphosphate.

140321 (04.4.74) Process for the isolation of a ponga flavone from ponga mia pinnalla (L) pierra (Syn. P. glabra)

140329 (20.08.74) Process for preparing new aminopyrrole derivative.

140354 (11.09.74) Method and apparatus for producing reduced iron.

140361 (01.08.74) Process for the production of maleic anhydride.

140368 (04.07.74) Method and apparatus for cencentrating cane sugar syrups.

140379 (22.12.73) Process for the purification copper phthalocyanine.

140450 (20.07.74) Preparation of heterocyclic urea.

RENEWAL FEES PAID

101840 101948 102025 102096 102097 102098 102190 102204 102407 102426 102520 102683 107113 107363 107475 107588 107644 107753 107810 107817 108068 108099 108100 108123 108124 108125 108187 108404 108770 111186 112438 112605 113072 113204 113284 113286 113383 113458 116941 117273 117904 117913 117928 117958 118170 118252 118253 118351 118463 118500 118563 118753 118844 118884 118974 118975 118999 119053 119110 119141 123486 123509 123612 123762 123806 123891 123907 124051 124074 124222 124412 124523 124675 124676 126055 127491 128683 128731 128790 128864 128932 128946 129023 129045 129112 129120 129185 129257 129331 129400 129842 129843 130439 131001 131093 133066 133124 133147 133148 133174 133227 133496 133497 133566 133714 133733 133843 133845 133902 134003 134055 135953 136343 136436 136482 136522 136529 136563 136564 136853 136888 137088 137133 138108 138390 138481 138950 139152 139290 139353 139365 139414 139572 139815 139988 139995 140128 140139 140167 140185 140421 140468 140600 140656 140672 140714 140792 140889 140891 140920 141042 141310 141803 141907 141960 142347 122492 142509 142759 142837 142840 142909 142970 142976 143003 143109 143129 143200 143213 143237 143345 143386 143435 143442 143529 143538

143577 143650 143667 143789 143843 143872 143917 143931 143980 143997 144137 144231 144293 144454 144483 144563 144863 144921 144966 144967 144985 145079 145113 145166 145207 145226 145271 145366 145420 145567 145629 145702 145800 145845 145846 145977 146033 146301 146347 146348 146384 146535 146591 146706 146707 146711 146712 146713 146714 146792

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 144326 granted to Parvez Engineering Company for an invention relating to Electrical Wire cutting and insulation stripping device. The patent ceased on the 3.3.1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 20th Sept. 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, the patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 25th December 1980.

Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

—NIL—

EXTENSION OF COPYRIGHT FOR THE SECOND PERIOD OF FIVE YEARS

D. Nos. 142823, 142824, 146546 & 147809.—Class 1.

D. No. 143504.—Class 3.

D. Nos. 143170, 143171, 143172, 143173, 143174, 143175, 143176, 143177, 143178, 143179, 143180, 143181, 143182, 143183, 143184, 143185, 143186, 143274, 143275, 143375.—Class 4.

D. No. 142766.—Class 10.

EXTENSION OF COPYRIGHT FOR THE THIRD PERIOD OF FIVE YEAR

D. No. 140873.—Class 1.

D. No. 143504.—Class 3.

D. Nos. 137683, 143274, 143275, 143375.—Class 4.

LIST OF PERSONS WHO HAVE BEEN REGISTERED AS PATENT AGENTS UNDER SECTION 126 OF THE PATENTS ACT, 1970.

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S. VEDARAMAN,
*Controller-General of Patents*,
Designs and Trade Marks.

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